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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/712,407	11/13/2003	Thomas P. Hartness	HII-108	6828	
22827	7590 10/15/2004		EXAMINER		
DORITY & MANNING, P.A. POST OFFICE BOX 1449			HESS, DOUGLAS A		
	LE, SC 29602-1449		ART UNIT	PAPER NUMBER	
		•	3651		
			DATE MAILED: 10/15/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

•								
		Applicat	ion No.	Applicant(s)				
Office Action Summary		10/712,4	107	HARTNESS ET AL.	. 4			
		Examine	r .	Art Unit				
-		Douglas		3651				
Period fo	The MAILING DATE of this communic or Reply	cation appears on th	e cover sheet with the c	orrespondence add	ress			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FO MAILING DATE OF THIS COMMUNIC nsions of time may be available under the provisions or SIX (6) MONTHS from the mailing date of this commu period for reply specified above is less than thirty (30) period for reply is specified above, the maximum stature to reply within the set or extended period for reply wereply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	CATION. f 37 CFR 1.136(a). In no e nication. days, a reply within the statory period will apply and rill, by statute, cause the ap	vent, however, may a reply be tin stutory minimum of thirty (30) day will expire SIX (6) MONTHS from plication to become ABANDONE	nely filed rs will be considered timely. the mailing date of this condition (35 U.S.C. § 133).	nmunication.			
Status								
1)⊠	Responsive to communication(s) filed	on 13 November	2003.					
2a)□								
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
4)⊠	4)⊠ Claim(s) <u>1-70</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)[5) Claim(s) is/are allowed.							
6)□	6) Claim(s) <u>1-21,23,26-45 and 47-69</u> is/are rejected.							
7)	Claim(s) 22,24,25,46 and 70 is/are ob	jected to.						
8)□	Claim(s) are subject to restricti	on and/or election	requirement.					
Applicati	on Papers	,						
9)[The specification is objected to by the	Examiner.						
10)⊠ The drawing(s) filed on <u>13 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
	Applicant may not request that any object	ion to the drawing(s)	be held in abeyance. See	e 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including t	he correction is requi	red if the drawing(s) is obj	jected to. See 37 CFF	₹ 1.121(d).			
11)	The oath or declaration is objected to	by the Examiner. N	ote the attached Office	Action or form PTC)-152.			
Priority ι	ınder 35 U.S.C. § 119							
12)	Acknowledgment is made of a claim fo	or foreign priority ur	nder 35 U.S.C. § 119(a))-(d) or (f).				
	a) ☐ All b) ☐ Some * c) ☐ None of:							
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority d			on No				
	3. Copies of the certified copies of	f the priority docum	ents have been receive	ed in this National S	tage			
	application from the Internation	al Bureau (PCT Ru	le 17.2(a)).					
* 9	See the attached detailed Office action	for a list of the cert	ified copies not receive	: d.				
Attachmen	• •							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date								
	e of Dransperson's Patent Drawing Review (PT0 nation Disdosure Statement(s) (PT0-1449 or P		5) D Notice of Informal P		152)			
	r No(s)/Mail Date	•	6)					

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DETAILED ACTION

Claim Objections

1. Claim 53 is objected to because of the following informalities:

On line 1, it appears "on cam" should read --one cam--.

Appropriate correction is required.

2. The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claims 70-72 been renumbered 68-70.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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4. Claims 1-4, 6, 7, 9-21, 23, 26, 27-31, 33, 34, 36-45, 47-50, 53-56, 58-63, 64-67, and 69 are rejected under 35 U.S.C. 102(e) as being anticipated by Degree (US Pat. No. 6,742,647).

See the attached marked up copy of Degreef figures 6A and 6B depicting the claimed features.

5. Claims 1, 5, 8, 32, 35, 57, and 68 are rejected under 35 U.S.C. 102(b) as being anticipated by Raque (US Pat. No. 5,697,490).

See the attached marked up copy of Raque figure 1 depicting the claimed features.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

8. Claims 51 and 52 are rejected under 35 U.S.C. 103(a) as being unpatentable over Degreef as outlined in the above 102(e) rejection and in view of the following.

Degreef teaches the slider as claimed but fails to teach the rack and pinion gear mechanism for closing his gripping arm. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize one of many well known functional equivalents, such as the rack and pinion as taught by the applicant or the slider as taught by Degreef. The selection of one of these well known functional equivalents in the mechanical arts does not provide a patentable departure from that of Degreef.

Allowable Subject Matter

9. Claims 22, 24, 25, 46, and 70 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

- 10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas A Hess whose telephone number is 703-308-3428. The examiner can normally be reached on M-Thurs 5:30 4:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Chris Ellis can be reached on 703-308-2560. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

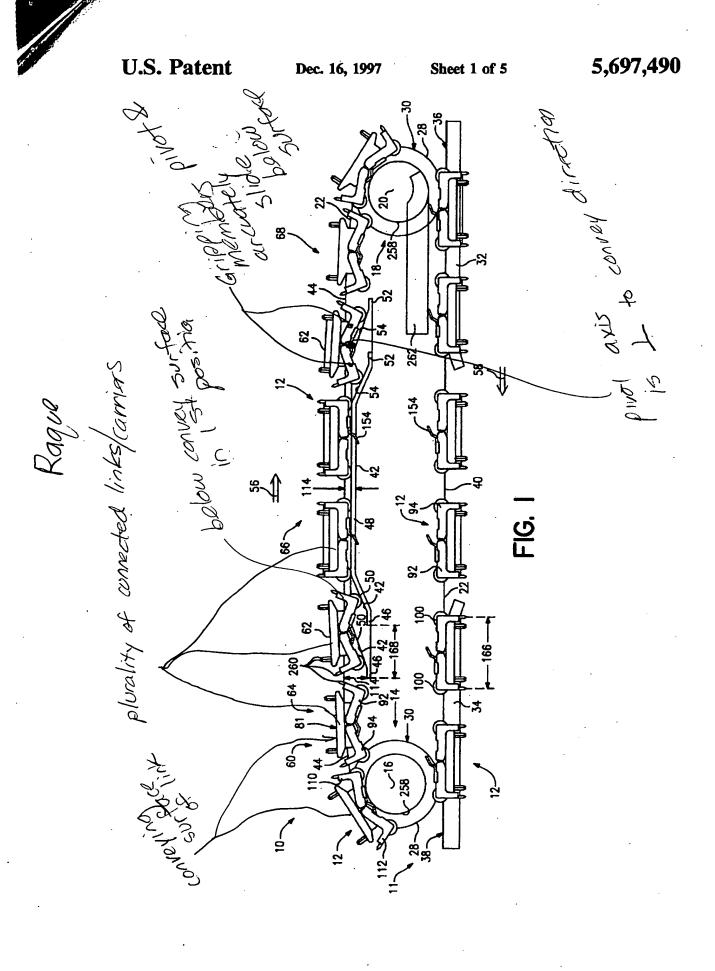
system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Douglas A Hess Primary Examiner

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16/13/19

DAH October 13, 2004



De Greef

